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Partitioner's Docket No. MST-1898-22D

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Wingyu Leung, et al.

Application No.: 10/800,382

Parent Appln. Group No.: 2186

Filed: 3/11/2004

Parent Appln. Examiner: B. James Peikari

For: LATCHED SENSE AMPLIFIERS AS HIGH SPEED MEMORY IN A MEMORY SYSTEM

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Date: July 28, 2004

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

Section 1. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No.: 10/273,442, filed on October 15, 2002.

Copies of the documents listed on the accompanying Form PTO-1449 that are not enclosed were previously submitted in Application No. 10/273,442, from which this Application claims an earlier effective filing date.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP § 609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56.

☒ This statement qualifies under 37 C.F.R. § 1.97, subsection (b) because (check all that apply):

- ☐ (1) It is being filed within 3 months of the application filing date and is other than a continued prosecution application under § 1.53(d)
-- OR --
- ☐ (2) It is being filed within 3 months of entry of a national stage
-- OR --
- ☒ (3) It is being filed before the mail date of the first Office Action on the merits.
-- OR --
- ☐ (4) It is being filed before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114

- ☐ 37 C.F.R. § 1.97(c). If this statement is being filed after the period specified in § 1.97(b), but before the mailing date of the earlier of a final office action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, then:
- ☐ a certification as specified in § 1.97(e) is provided below; **or**
- ☐ a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☐ 37 C.F.R. § 1.97(d). If this statement is being filed after the period specified in § 1.97(c), but on or before payment of the issue fee, then:
- A. a certification as specified in § 1.97(e) is completed below; **and**
- B. a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☒ **Fee Authorization.** No fee believed due. However, the Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0574 (Docket No. MST-1898-22D).

Date: July 28, 2004

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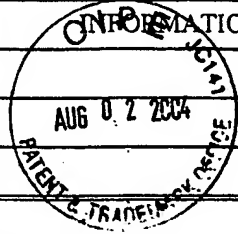
Signature of Practitioner

E. Eric Hoffman
Bever, Hoffman & Harms, LLP

I hereby certify that this correspondence is being deposited with the United States Postal Service as FIRST CLASS MAIL in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.

July 28, 2004
Date

Carrie Reddick
Signature: Carrie Reddick

U.S. Department of Commerce, Patent and Trademark Office				Atty Docket No.		Application No.		
				MST-1898-22D		10/800,382		
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicants				
				Leung et al.				
				Filing Date		Group		
				3/11/2004		Unknown		
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	3,585,378	15 May 1971	Bouricius et al.				
	AB	3,651,473	21 Mar 1972	Faber				
	AC	3,761,879	25 Sep 1973	Brandsma et al.				
	AD	3,803,562	9 Apr 1974	Hunter				
	AE	3,810,301	14 May 1974	Cook				
	AF	3,835,530	17 Sep 1974	Kilby				
	AG	3,849,872	26 Nov 1974	Hubacher				
	AH	3,859,640	7 Jan 1975	Eberlein et al.				
	AI	3,983,537	28 Sep 1976	Parsons et al.				
	AJ	4,007,452	8 Feb 1977	Hoff, Jr.				
	AK	4,038,648	26 Jul 1977	Chesley				
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	1002664	28 Dec 1976	Canada				
	AM	0162932 A3	4 Dec 1985	EP				
	AN	0178949 A3	23 Apr 1996	EP				
	AO	0258062 A2	2 Mar 1988	EP				
	AP	0258062 A3	2 Mar 1988	EP				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	"32K x9 Bit BurstRAM Synchronous Static RAM with burst Counter and Self-Timed Write," Motorola Memory Data (MCM62486A)(No Date), pp. 7-100 to 7-109.						
	AR	Antola et al., "Reconfiguration of Binary Trees: The Flow-Driven Approach," 1991 International Conference on Wafer Scale Integration, 1991, pp. 141-147.						
	AS	Aubusson, Russell C. and Ivor Catt, "Wafer-Scale Integration—A Fault-Tolerant Procedure," IEEE Journal of Solid State Circuits, Vol. SC-13, No. 3, Jun 1978, pp. 339-344.						
Examiner			Date Considered					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	4,063,225	13 Dec 1977	Stewart				
	AB	4,071,887	2 Jan 1978	Daly et al.				
	AC	4,092,733	30 May 1978	Coontz et al.				
	AD	4,132,869	2 Jan 1979	Knox				
	AE	4,188,670	12 Feb 1980	Hsia				
	AF	4,215,430	29 Jul 1980	Johnson, Jr.				
	AG	4,227,045	7 Oct 1980	Chelcun et al.				
	AH	4,236,087	25 Nov 1980	Kaminski et al.				
	AI	4,319,356	9 Mar 1982	Kocol et al.				
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	AK	4,355,387	19 Oct 1982	Portejoie et al.				
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		Document	Date	Country	Class	Subclass	Yes	No
	AL	0313040 A2	26 Apr 1989	EP				
	AM	0359203 A2	21 Mar 1990	EP				
	AN	0389203 A2	29 Sep 1990	EP				
	AO	0440456 A3	7 Aug 1991	EP				
	AP	0504434 A1	23 Sep 1992	EP				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Cavil et al., "Wafer-Scale Integration," Microelectronics Manufacturing Technology, May 1991, pp. 55-59.						
	AR	Fujii, et al., "A 50-μA Standby 1M x1/256K x4 CMOS DRAM with High-Speed Sense Amplifier," IEEE Journal of Solid State Circuits, Vol. SC-21, No. 5, Oct 1986, pp. 643-647.						
	AS	Ganapathy et al., "Yield Optimization in Large RAM's with Hierarchical Redundancy," IEEE Journal of Solid-State Circuits, Vol. 26, No. 9, Sep 1991, pp. 1259-1269.						
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	AA	4,379,327	5 Apr 1983	Tietjen et al.				
	AB	4,400,794	23 Aug 1983	Koos				
	AC	4,407,014	27 Sep 1983	Holtey et al.				
	AD	4,414,480	8 Nov 1983	Zasio				
	AE	4,438,352	20 Mar 1984	Mardkha				
	AF	4,458,297	3 Jul 1984	Stopper et al.				
	AG	4,467,400	21 Aug 1984	Stopper				
	AH	4,494,196	15 Jan 1985	Greer				
	AI	4,605,928	12 Aug 1986	Georgiou				
	AJ	4,612,613	16 Sep 1986	Gershenson et al.				
	AK	4,615,017	30 Sep 1986	Finlay et al.				
Foreign Patent Documents								
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		Document	Date	Country	Class	Subclass	Yes	No
	AL	0520634 A1	30 Dec 1992	EP				
	AM	0540363 A1	5 May 1993	EP				
	AN	0606600 A1	20 Jul 1994	EP				
	AO	52-30095	8 May 1977	Japan			X (Cum)	
	AP	56-501547	22 Oct 1981	Japan			X (Abst)	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Herbert Stopper, "Wafer-Scale Integration," in Hybrids and High-Level Integration, (No Date) pp. 354-364.						
	AR	Horst, Robert W., "Task-Flow Architecture for WSI Parallel Processing," IEEE Trans Jnl, Apr. 1992, pp. 10-18.						
	AS	IBM Technical Disclosure Bulletin, "Mixed Voltage Protection" Vol. 32, No. 5A, Oct. 1989, pp. 423-425.						
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					3/11/2004		Unknown	
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	AA	4,627,058	2 Dec 1986	Moriyama				
	AB	4,630,355	23 Dec 1986	Johnson				
	AC	4,637,073	13 Jan 1987	Selin et al.				
	AD	4,639,861	27 Jan 1987	Appiano et al.				
	AE	4,639,933	27 Jan 1987	Howell et al.				
	AF	4,644,502	17 Feb 1987	Kawashima				
	AG	4,646,298	24 Feb 1987	Laws et al.				
	AH	4,649,384	10 Mar 1987	Sheafor et al.				
	AI	4,653,050	24 Mar 1987	Vaillancourt				
	AJ	4,663,758	5 May 1987	Lambarelli et al.				
	AK	4,667,328	19 May 1987	Imran				
	AL	4,680,780	14 Jul 1987	Agoston et al.				
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							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AM	59-4798	31 Jan 1984	Japan				X
	AN	59-212962	1 Dec 1984	Japan			X (Abst)	
	AO	60-73774	25 Apr 1985	Japan			X (Abst)	
	AP	60-95641	29 May 1985	Japan			X (Abst)	
	AQ	60-98790	1 Jun 1985	Japan			X (Abst)	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR	IBM Technical Disclosure Bulletin, "Bi-CMOS-Volt Tri-State Drive With 5-Volt Interface Capability", Vol. 32, No. 9A, Feb. 1990, pp. 405-406.						
	AS	MacDonald et al, "Fabrication: 200Mb Wafer Memory," IEEE International Solid-State Circuits Conference (Feb 1989), pp. 240-241 and 350.						
	AT	Peter van Zant, Microchip Fabrication: A Practical Guide to Semiconductor Processing, (1 st ed., 1986), p. 8.						
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
	AA	4,703,436	27 Oct 1987	Varshney					
	AB	4,707,808	17 Nov 1987	Heimbigner					
	AC	4,719,621	12 Jan 1988	May					
	AD	4,736,365	5 Apr 1988	Stern					
	AE	4,748,588	31 May 1988	Norman et al.					
	AF	4,769,789	6 Sep 1988	Noguchi et al.					
	AG	4,782,457	1 Nov 1988	Cline					
	AH	4,785,415	15 Nov 1988	Karlquist					
	AI	4,823,363	18 Apr 1989	Yoshida					
	AJ	4,839,909	13 Jun 1989	Warner					
	AK	4,847,615	11 Jul 1989	McDonald					
Foreign Patent Documents									
							Translation		
		Document	Date	Country	Class	Subclass	Yes	No	
	AL	60-186940	24 Sep 1985	Japan			X (Abst)		
	AM	63-246843	13 Oct 1988	Japan			X (Abst)		
	AN	63-268020	4 Nov 1988	Japan			X (Abst)		
	AO	64-19745	23 Jan 1989	Japan			X (Abst)		
	AP	64-25626	27 Jan 1989	Japan			X (Abst)		
	AQ	1-138687	31 May 1989	Japan			X (Abst)		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
	AR	Rhodes et al., "A Monolithic Hough Transform Processor Based on Restructurable VLSI," IEEE Trans. on Pattern Analysis and Machine Intelligence, Vol. 10, No. 1 (Jan 1988), pp. 106-110.							
	AS	Ron Iscoff, "Characterizing Quickturn ASICs: It's Done with Mirrors" Semiconductor International, Aug. 1, 1990, pp. 68-73.							
	AT	Shi, Weiping and W. Kent Fuchs, "Large Area Defect-Tolerant Tree Architectures," 1991 International Conference on Wafer Scale Integration, 1991, pp. 127-133.							
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	AA	4,855,613	8 Aug 1989	Yamada et al.				
	AB	4,860,285	22 Aug 1989	Miller et al.				
	AC	4,864,496	5 Sep 1989	Triolo et al.				
	AD	4,866,508	12 Sep 1989	Eichelberger et al.				
	AE	4,872,137	3 Oct 1989	Jennings, III				
	AF	4,876,700	24 Oct 1989	Grindahl				
	AG	4,881,232	14 Nov 1989	Sako et al.				
	AH	4,884,122	28 Nov 1989	Eichelberger et al.				
	AI	4,890,224	26 Dec 1989	Fremont				
	AJ	4,897,818	30 Jan 1990	Redwine et al.				
	AK	4,906,987	6 Mar 1990	Venaleck et al.				
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		Document	Date	Country	Class	Subclass	Yes	No
	AL	U.M. 2-116346	18 Sep 1990	Japan				X
	AM	2 246099 A	1 Oct 1990	Japan			X (Abst)	
	AN	2-246445	2 Oct 1990	Japan			X (Abst)	
	AO	3-502845	27 Jun 1991	Japan			X (Abst)	
	AP	3-201551	3 Sep 1991	Japan			X (Cum)	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Stodieck, Robert, "Designing With the IDT49C460 and IDT39C60 Error Detection and Correction Units," Application Note AN-24 by Integrated Device Technology, Inc., 1993, pp. 1-10.						
	AR	Takai et al., "250 Mbyte/s Synchronous DRAM Using a 3-Stage-Pipelined Architecture," IEEE Journal of Solid State Circuits, Vol. 29, No. 4, Apr. 1994, pp. 426-431.						
	AS	Yamashita, Koichi and Shohei Ikehara, "A Design and Yield Evaluation Technique for Wafer-Scale Memory," IEEE Trans Jnl, Apr. 1992, pp. 19-27.						
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U.S. Patent Documents								
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	AA	4,907,062	6 Mar 1990	Fukushima				
	AB	4,912,633	27 Mar 1990	Schweizer et al.				
	AC	4,926,382	15 May 1990	Sakui et al.				
	AD	4,937,203	26 Jun 1990	Eichelberger et al.				
	AE	4,943,914	24 Jul 1990	Kubo				
	AF	4,943,966	24 Jul 1990	Giunta et al.				
	AG	4,954,854	4 Sep 1990	Dhong et al.				
	AH	4,955,020	4 Sep 1990	Stone et al.				
	AI	4,961,169	2 Oct 1990	Matsumura et al.				
	AJ	4,970,724	13 Nov 1990	Yung				
	AK	4,974,048	27 Nov 1990	Chakravorty et al.				
	AL	4,980,765	25 Dec 1990	Kudo et al.				
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AM	3-204957	6 Sep 1991	Japan			X (Abst)	
	AN	WO 81/01893	9 Jul 1981	WIPO				
	AO	WO 90/04576	3 May 1990	WIPO				
	AP	WO 90/07153	28 Jun 1990	WIPO				
	AQ	WO 90/09635	23 Aug 1990	WIPO				
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	AA	4,984,192	8 Jan 1991	Flynn				
	AB	4,985,895	15 Jan 1991	Pelkey				
	AC	5,001,712	19 Mar 1991	Splett et al.				
	AD	5,003,558	26 Mar 1991	Gregg				
	AE	5,008,882	16 Apr 1991	Peterson et al.				
	AF	5,020,020	28 May 1991	Pomfret et al.				
	AG	5,021,985	14 Jun 1991	Hu et al.				
	AH	5,043,820	27 Aug 1991	Wyles et al.				
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	AJ	5,051,938	24 Sep 1991	Hyduke				
	AK	5,055,897	8 Oct 1991	Canepa et al.				
	AL	5,077,596	31 Dec 1991	Inoue				
	AM	5,077,737	31 Dec 1991	Leger et al.				
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AN	WO 91/16680	31 Oct 1991	WIPO				
	AO	WO 92/08193	14 May 1992	WIPO				
	AP	WO 93/18459	16 Sep 1993	WIPO				
	AQ	WO 93/18462	16 Sep 1993	WIPO				
	AR	WO 93/18463	16 Sep 1993	WIPO				
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	AA	5,077,738	31 Dec 1991	Larsen et al.				
	AB	5,103,424	7 Apr 1992	Wade				
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	AF	5,125,006	23 Jun 1992	Marinaro				
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	AI	5,133,064	21 Jul 1992	Hotta et al.				
	AJ	5,145,645	8 Sep 1992	Zakin et al.				
	AK	5,159,273	27 Oct 1992	Wright et al.				
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	AM	5,168,331	1 Dec 1992	Yilmaz				
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	AB	5,187,779	16 Feb 1993	Jeddeloh et al.				
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	AD	5,206,832	27 Apr 1993	Yamaguchi et al.				
	AE	5,214,657	25 May 1993	Farnworth et al.				
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	AG	5,226,147	6 Jul 1993	Fujishima et al.				
	AH	5,227,677	13 Jul 1993	Furman				
	AI	5,243,623	7 Sep 1993	Murdock				
	AJ	5,243,703	7 Sep 1993	Farnwald et al.				
	AK	5,247,522	21 Sep 1993	Reiff				
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	AA	5,249,282	28 Sep 1993	Segers				
	AB	5,252,507	12 Oct 1993	Hively et al.				
	AC	5,254,883	19 Oct 1993	Horowitz et al.				
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	AL	5,317,540	31 May 1994	Furuyama				
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
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	AS							
Examiner			Date Considered					
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U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Application No.	
					MST-1898-22D		10/800,382	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicants			
(Use several sheets if necessary)					Leung et al.			
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